

## 1. Product Profile

**StenCoat® PUR 6000** is a heavy duty, highly elastic, quick curing, solvent free seamless waterproofing and coating system. It has high skid, tear, abrasion resistance and high tensile strength. It has excellent resistance to chemicals, physical stresses and minor floor movements.

**StenCoat® PUR 6000** consists of solvent free polyurea resin, pigments and solid fillers. It is a long lasting and reliable coating system with slightly grained texture. It retains its outstanding elasticity even under cold conditions. It is resistant to organic and inorganic acids and alkalis, oils, fuels and antifreezes and many chemicals. It can be sprayed on horizontal and vertical surfaces. It is resistant to UV radiation; it neither weakens, nor becomes brittle.

**StenCoat® PUR 6000** is available in 230 kg barrels.

## 2. Uses

**StenCoat® PUR 6000** has extensive use at places including chemical process areas, wet and dry areas at food preparation places, clean rooms, printing houses, beverage facilities, water filling facilities, cafeterias, workshops, factories, hospitals and social building floors. It is especially suitable for places that has adverse application conditions or places that must be opened to traffic as soon as possible. It is suitable for concrete, terrazzo ceramic, steel and other metal surfaces and water-resistant plywood surfaces at these places.

**StenCoat® PUR 6000** can also be used as a waterproofing membrane for building, terraces, balconies and coating for carparking decks, water tanks, steel constructions or roads that require must be opened to service early. It creates an impermeable and long-lasting protective membrane at those sites.

## 3. Surface Preparation

Application surface must be even. If the surface has depressions, bumps, pop-outs with higher size than half of the designed coating depth, those must be corrected using **StenFloor® GRANO 3EP** before application of the floor system. Such application is not required on strong and even surfaces.

**StenAst® 2EP** should be applied as primer and quartz sand should be broadcasted on top to provide a proper adhesion for coating layer.

## Polyurea Based Heavy Duty Coating

### Highlights

- Pure polyurea based
- Contains no VOC
- Easy and quick application
- Application can be done even under high humidity or very low temperature conditions
- Very fast trafficability
- Long-lasting material with excellent mechanical and chemical resistance
- Very high thermal resistance
- Stays elastic even at very low temperatures
- Resistant to UV radiation

It is very important to prepare the surface in a correct and proper manner. For this reason, if you provide detailed information about the condition of your surface, most suitable surface preparation procedures will be recommended by **Stenkim®**.

## 4. Application

It is helpful to keep the materials at 20-30°C for one day before the application date. During the application, ambient and substrate temperature must be above -5°C.

**StenCoat® PUR 6000** is applied by two-component spray machine. The machine used for this purpose must be able to control the heat of individual components, spray the material at least 140 bar pressure and with a volumetric mixing rate of 1:1.

# StenCoat® PUR 6000

Former name: StenFloor 6000



Both components are transferred to the containers and the application temperature is set to 70°C. Application must not start until both components heat up to this temperature.

Once the correct temperature is reached, application is done by spraying on the substrate. The application speed and the distance from the surface must be maintained as constant as possible. If the pressure or temperature of components become unbalanced, application must be stopped and the balance must be fixed.

Product will cure in a few minutes after two components are mixed.

After the application **StenCoat® 2PU TOP UV** can be used if a protective top coat is needed in order to increase the resistance of the application.

## 5. Cleaning

Equipment used can be cleaned at the end of the job with **StenSolver CL**.

## 6. Safety

Applicators and supervisors must read Material Safety Data Sheet (MSDS) carefully and observe the considerations written therein. The application must be carried out by skilled workers under supervision of experts and the

applicators must use all kinds of protective equipment required for the worksite and the task such as goggles, mask and gloves.

Emptied packages must be handled in compliance with relevant regulations and laws.

## 7. Storage

The material must be kept away from sunlight in dry indoor storage. Recommended storage temperature is 10-30°C. Stored in these conditions, the shelf life of unopened containers are 12 months.

## 8. Company Liability

The information contained in this document is based on site experience of and laboratory tests done by **Stenkim®** and meant to give general information. It is the purchaser's responsibility to ensure applicability of products to their use. All **Stenkim®** products are available in specified quality and conditions. The company accepts no liability whatsoever unless the transportation, storage, application conditions and customer use are overseen by **Stenkim®**.

**Stenkim®** reserves the right to update all information contained in this document without notice.

## 9. Technical Data

Properties	Method	Results
Base Polymer		Two Component Polyurea
Solid Content % (A+B)		100
Color		Color Catalog
Density		1.05 ± 0.05 g/cm <sup>3</sup>
Application Thickness		Min 1.0 mm
Durometer Hardness	ASTM D2240	D 50 ± 0.5
Tensile Strength	ASTM D 412 Die B	200 N/mm <sup>2</sup>
Elongation at break	ASTM D 412 Die B	450 %
Impact Resistance	ASTM D 2794, 1meter, 2kg	>200 kg/cm (No Damage)
Pot Life of the Mixture @ 20 °C		2-3 seconds
Cure Time for Light Trafficability @20°C		1-2 minutes

**Stenkim®** reserves the right to make changes in the values in this table at any time.

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